

# TEST REPORT

Test Report # 16H-09391 Date of Report Issue: February 27, 2017  
Date of Sample Received: December 30, 2016 Pages: Page 1 of 11

## CLIENT INFORMATION:

Company: Hit Promotional Products  
Recipient: Nathan Cotter  
Recipient Email: ncotter@hitpromo.net



## SAMPLE INFORMATION:

Description: 16oz. Stainless Steel Metro Tumbler  
Assortment: 4 colors Purchase Order Number: 191312  
SKU No.: 5719 Agent: Growth-Sonic  
Factory No.: 127827 Country of Origin: China  
Country of Distribution: United States Labeled Age Grade: -  
Quantity Submitted: 5 pcs per style + 2 lots Recommended Age Grade: -  
Parts  
Testing Period: 12/30/2016 – 01/09/2017 Tested Age Grade: -  
01/18/2017 – 01/26/2017  
02/17/2017 – 02/27/2017

## OVERALL RESULT:

 **PASS**

Refer to page 2 for test result summary and appropriate notes.

ANSECO GROUP (HK) LIMITED



Loska Yeung Lok Ka  
Leader, Chemical Laboratory

ANSECO GROUP (HK) LIMITED • 3/F Liven House • No. 61 – 63 King Yip Street • Kwun Tong • Kowloon • Hong Kong • Tel: (852)3185 8000

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*The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.*

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**TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101, Total Lead in Substrate Materials <sup>#</sup>
PASS	Client's Requirement, Bisphenol A and Bisphenol S <sup>#</sup>
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets <sup>#</sup>
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates <sup>#</sup>

**Remark:**

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and Canadian Surface Coating Materials Regulations SOR/2016-193, Total Lead in Surface Coating Materials were not conducted as no paint and similar surface coating found on received sample.

**DETAILED RESULTS:**

**CPSIA Section 101, Total Lead in Substrate Materials**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)<sup>#</sup>

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2+3	4	5	6+7	8	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>100</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	<b>100</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:**

**Client's Requirement, Bisphenol A and Bisphenol S**

Test Method: AI | ANSECO Method#  
 Analytical Method: Liquid Chromatography with Mass Spectrometry

Specimen No.		1	2	3	4	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Bisphenol S (BPS)	80-09-1	ND	ND	ND	ND	ND
<b>Conclusion</b>		PASS	PASS	PASS	PASS	

Specimen No.		5	6	---	---	Limit (ppb)
Test Item	CAS No.	Result (ppb)	Result (ppb)	Result (ppb)	Result (ppb)	
Bisphenol A (BPA)	80-05-7	ND	ND	---	---	ND
Bisphenol S (BPS)	80-09-1	ND	ND	---	---	ND
<b>Conclusion</b>		PASS	PASS	---	---	

*Note:*

ppb (Parts per billion) = µg/kg (Micrograms per kilogram)  
 NA = Not applicable  
 LT = Less than  
 ND = Not detected (Reporting limit: BPA = 1000 ppb; BPS = 200 ppb)

**DETAILED RESULTS:**

**FDA 21 CFR 177.1210, Closures with Sealing Gaskets**

Test Method: FDA 21 CFR 177.1210<sup>#</sup>

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	120 minutes	ND	<b>10</b>	<b>50</b>
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°F = Degree Fahrenheit

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1210 Table 2 Section 2.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.880 – 0.913
Melting point (°C)	NA	NA	166.3	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.3	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.8	0.5	9.8
<b>Conclusion</b>			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.880 – 0.913
Melting point (°C)	NA	NA	166.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.3	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	2.3	0.5	9.8
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 1.1.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.880 – 0.913
Melting point (°C)	NA	NA	167.5	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.1	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.7	0.5	9.8
<b>Conclusion</b>			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.880 – 0.913
Melting point (°C)	NA	NA	166.2	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.1	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.8	0.5	9.8
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 1.1.

**DETAILED RESULTS:**

**FDA 21 CFR 177.1520, Polypropylene Homopolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	NA	0.880 – 0.913
Melting point (°C)	NA	NA	166.1	NA	150 – 180
n-Hexane extractive (% w/w)	Reflux	2 hours	1.2	0.1	6.4
Xylene extractive (% w/w)	25°C	1 hour	1.3	0.5	9.8
<b>Conclusion</b>			PASS		

*Note:*

Temp. = Temperature

°C = Degree Celsius

g/cc = Grams per cubic centimeter

% w/w = Percent by weight

NA = Not applicable

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

*Remark:*

The specification is quoted from 21 CFR 177.1520 (c) 1.1.



**DETAILED RESULTS:**

**Canadian Consumer Products Containing Lead (Contact with Mouth) Regulation SOR/2010-273 as Amended by SOR/2016-171, Total Lead in Accessible Substrates**

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)<sup>#</sup>  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2+3	4	5	6+7	8	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	<b>90</b>
<b>Conclusion</b>	PASS	PASS	PASS	PASS	PASS	

Specimen No.	9	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	<b>90</b>
<b>Conclusion</b>	PASS	---	---	---	---	

*Note:*

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Red plastic (PP-homo)	Slider/ inner wall (red style)
2	Orange plastic (PP-homo)	Slider/ inner wall (orange style)
3	Green plastic (PP-homo)	Slider/ inner wall (green style)
4	Blue plastic(PP-homo)	Slider/ inner wall (blue style)
5	Black plastic (PP-homo)	Lid (all styles)
6	Translucent soft plastic (silicon)	Gasket (all styles)
7	Black soft plastic	Band (all styles)
8	Black foam with adhesive	Bottom of body (all styles)
9	Silvery metal	Outer wall (all styles)

**SAMPLE PHOTO:**



-End Report-